RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number:	09/825,4230
Source:	1FW/6
Date Processed by STIC:	12/20/05

ENTERED

CRF Errors Edited by the STIC Systems Branch

Realigned nucl	leic acid/ar	nino acid na	ımbers/text	in cases where	the se
text "wrapped			•		
			•		
Corrected the	SEO ID N	O: Sequenc	e numbers ec	lited were:	
10	.6	o. Sequenc	e numbers ex	illed Wele.	
	**		F. E 1	<u> </u>	
	•		, Tri i	,	
•			•	·	
Inserted or con	rrected a n	ucleic numb	er at the end	l of a nucleic li	ne. SI
NO's edited:	••		•	. :	
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				_	
Deleted: i	nvalid begi	inning/end-c	oi-ille text;	page numb	ers ·
		•			
			47/12		
Inserted mand	atory head	lings/numer	ic identifiers	, specifically:	
			AND AND A		
		· · ·		·	
Moved respons	ses to same	e line as hea	ding/numeri	c identifier, spe	cifica
_	411	the second	£.		•
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<u> </u>	- -,				
Other:			•••		

Revised 09/09/2003



IFW16

RAW SEQUENCE LISTING DATE: 12/22/2005
PATENT APPLICATION: US/09/825,423D TIME: 16:27:13

Input Set : A:\PTO.AMC.txt

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        Reichert, Paul
        Madison, Vincent S.
        Wyss, Daniel
        Yao, Nanhua
         Liu, Dingjiang
        Gesell, Jennifer
11 <120> TITLE OF INVENTION: Hepatitis C Virus NS3 Helicase Subdomain I
13 <130> FILE REFERENCE: ID01152 US
15 <140> CURRENT APPLICATION NUMBER: US 09/825,423D
16 <141> CURRENT FILING DATE: 2001-04-03
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19 <151> PRIOR FILING DATE: 2000-04-04
21 <160> NUMBER OF SEQ ID NOS: 17
23 <170> SOFTWARE: PatentIn Ver. 2.1
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58 Cys Pro Ala Gly His Ala Val Gly Leu Phe Arg Ala Ala Val Cys Thr
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59 145
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61 Arg Gly Val Thr Lys Ala Val Asp Phe Ile Pro Val Glu Asn Leu Glu
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RAW SEQUENCE LISTING DATE: 12/22/2005
PATENT APPLICATION: US/09/825,423D TIME: 16:27:13

Input Set : A:\PTO.AMC.txt

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	Val		Val	Leu	Asn			Val	Ala	Ala	Thr	Leu	Gly	Phe	Gly	Ala
	225				, _	230					235		•		•	240
		Met	Ser	Lvs	Ala		Glv	Val	Asp	Pro	Asn	Ile	Arq	Thr	Gly	Val
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	Ara	Thr	Ile			Glv	Ser	Pro	Ile		Tyr	Ser	Thr	Tvr	Glv	Lys
80	5			260		1			265					270	2	•
	Phe	Leu	Ala		Glv	Glv	Cvs	Ser		Glv	Ala	Tvr	asA		Ile	Ile
83			275		1		-1-	280	1	1		- 1 -	285			
	Cvs	Asp		Cvs	His	Ser	Thr		Ala	Thr	Ser	Ile	Leu	Glv	Ile	Glv
86	C _I D	290	020	0 10								300		1		1
	Thr		Len	Asp	Gln					Glv	Ala		Leu	Val	Val	Leu
	305	• • • • • • • • • • • • • • • • • • • •		1100	0111	310	014				315	5			. •	320
		Thr	Δla	Thr	Pro		Glv	Ser	Val	Thr	Val	Pro	His	Pro	Asn	
92	111 U	****	7120		325			001	· u _	330					335	
	Glu	Glu	Val			Ser	Thr	Thr	Glv		Ile	Pro	Phe	Tvr		Lvs
95	Olu	OLU	var	340	шец		1111		345	020				350	4-1	-1-
	Δla	Tle	Pro		Glu	Val	Tle	Lvs		Glv	Arg	His	Leu		Phe	Cvs
98	1114	110	355	JC U	014	• • • • • • • • • • • • • • • • • • • •	110	360	U -1		9		365			-1-
) His	s Ser		Lvs	Lvs	Cvs	Asr		Lei	a Ala	a Ala	Lvs		. Val	l Ala	Leu
101		370	_	, 11,0	, 2,.	, c _j s	375					380				
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		, , , ,	AST	ı Ala	Val	Ala	Tvr	ʹͳϒϒ	- Arc	ı Glv	, Leu	Asr) Val	Sei	r Val	lle
	-	•	e Asn	ı Ala	Val		_	туг	Arg	, Gly		_	Val	. Sei	· Val	1le 400
104	385	5				390	-	_		_	395					400
104 106	385 Pro	5			Asp	390 Val	-	_		Ala	395 Thr	Asp) Ala		ı Met	400 Thr
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104 106 107 116 113 115 116 118	385 Pro Gly Gly Thi Thi Thi H H H H H H H H H H H H H H H H H H H	Thr Phe Glr 450	Asn Thr 435 Leu	Gly 420 Val	Asp 405 Asp Asp Gln	390 Val Phe Phe Asp 470	Val Asp Ser Ala 455 Gly	Val Ser Leu 440 Val	Val Val 425 Asp Ser	Ala 410 Ile Pro	395 Thr Asp Thr Thr Phe 475	Asp Cys Phe Glr 460 Val	Ala Asn Thr 445 Arg	Lei Thi 430 The Arg	Met 415 Cys Glu Gly	400 Thr Val Thr Arg Glu 480
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104 106 107 110 112 113 114 118 118 122 123	385 Pro Gly Gly Thi Thi And	Thr Phe Glr Glr Gly	Asn Thr 435 Leu Arg	Gly 420 Val From	Asp 405 Asp Asp Asp Defined Asp Trp	390 Val Phe Phe Asp 470 Phe	Val Asp Ser Ala 455 Gly	Val Ser Leu 440 Val	Value	Ala 410 11e Pro	395 a Thr b Asp Thr Thr J Phe 475 Leu	Asp Cys Phe Glr 460 Val	Ala Asn Thr 445 Arg	Lei Thi 430 Thi Arg	Met 415 Cys Gly Gly Gly Gly Val	400 Thr Val Thr Arg Glu 480 Asp
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104 106 107 110 112 113 114 115 116 116 127 127 127	385 Pro Gly Gly Thi Thi And Ard Let	Third Phe Glr 450 Gly Pro	Asn Thr 435 Lev Arg	Gly 420 Val From Gly Gly Gly Tyr	Asp 405 Asp Asp Asp Met 485 Trp	390 Val Phe Phe Asp Pro 470 Phe	Val Asp Ser Ala 455 Gly Asp	Value	Value	Ala 410 11e Pro	395 Thr Asp Thr Thr A75 Leu A1a	Asp Cys Phe Glr 460 Val Cys	Ala Asn Thr 445 Arg Ala Glu	Lei Thi 430 Thi Arg	Met 415 Cys Gly Gly Gly Gly Val	400 Thr Val Thr Arg Glu 480 Asp
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104 106 107 116 116 118 118 118 118 127 128 128 130 131 133 134	385 Pro Gly Gly Thi Thi Arc Arc Leu His Val	Third Pherical Gliphore Glipho	Asn Thr 435 Lev Arg Ser Cys Ala 515 Phe	Gly 420 Val Gly Gly Gly Gly Tyr Trp	Asp 405 Asp Asp Asp Met 485 Trp Met	390 Val Phe Phe Asp Fro 470 Phe Tyr Asn Gly Thr 550	Val Asp Ser Ala 455 Gly Asp Glu Thr Val 535 Lys	Value Service Leur 440 Value Service Proposition Propo	Value	Ala 410 11e Pro Arg Arg Arg Arg Fro	395 Thr Asp Thr Phe 475 Leu Ala Pro Clu S55 Ala	Cys Cys Cys Cys Cys Cys Cys Cys Asn	Ala Asn Ahr A45 Ala Glu Thr Cys 525 His	Lei Thi 430 Fro Cys Thi 510 Glr Fro	Met 415 Cys	400 Thr Val Thr Arg Glu 480 Asp Asp Arg His Ala Leu 560 Pro

DATE: 12/22/2005

TIME: 16:27:13

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RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/825,423D

RAW SEQUENCE LISTING DATE: 12/22/2005
PATENT APPLICATION: US/09/825,423D TIME: 16:27:13

Input Set : A:\PTO.AMC.txt

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229 230	Thr	Gly	Asp	Phe 100	Asp	Ser	Val	Ile	Asp 105	Cys	Asn	Thr	Ser	Asp 110	Gly	Lys
232 233	Pro	Gln	Asp 115	Ala	Val	Ser	Arg	Thr 120	Gln	Arg	Arg	Gly	Arg 125	Thr	Gly	Arg
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	Val	Pro	Gln		Phe	Gln	Val	Ala		Leu	His	Ala	Pro		Gly	Ser
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253		-	35		-			40		_			45			
256		50					55					60				
259						70					75					80
262					85	_				90					95	
265				100					105					110		
268			115					120					125			
271		130					135					140				
273	Ala	Thr	Ala	Thr	Pro	Pro	Gly	Ser	Val	Thr		Pro	His	Pro	Asn	
	145					150			_	_	155		_			160
276 277	Glu	Glu			Leu 165			Thr	_				Phe		Gly 175	Lys
279 280	Ala	Ile	Pro	Leu 180	Glu	Val	Ile	Lys	Gly 185	Gly	Arg	His	Leu	Ile 190	Phe	Cys
282 283	His	Ser	Lys 195	Lys	Lys	Cys	Asp	Glu 200	Leu	Ala	Ala	Lys	Leu 205	Val	Ala	Leu
	Gly	Ile 210		Ala	Val	Ala	Tyr 215		Arg	Gly	Leu	Asp 220	Val	Ser	Val	Ile

RAW SEQUENCE LISTING DATE: 12/22/2005
PATENT APPLICATION: US/09/825,423D TIME: 16:27:13

Input Set : A:\PTO.AMC.txt

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291 Gly Phe Thr Gly Asp Phe Asp Ser Val Ile Asp Cys Asn Thr Ser Asp
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                                         250
292
294 Gly Lys Pro Gln Asp Ala Val Ser Arg Thr Gln Arg Arg Gly Arg Thr
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307 <212> TYPE: PRT
308 <213> ORGANISM: Hepatitis C virus
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                                                           30
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315
317 Gly Lys Ser Thr Lys Val Pro Ala Ala Tyr Ala Ala Gln Gly Tyr Lys
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320 Val·Leu Val Leu Asn Pro Ser Val Ala Ala Thr Leu Gly Phe Gly Ala
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323 Tyr Met Ser Lys Ala His Gly Val Asp Pro Asn Ile Arg Thr Gly Val
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332 Cys Asp Glu Cys His Ser Thr Asp Ala Thr Ser Ile Leu Gly Ile Gly
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335 Thr Val Leu Asp Gln Ala Glu Thr Ala Gly Ala Arg Leu Val Val Leu
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338 Ala Thr Ala Thr Pro Pro Gly Ser Gly Met Phe Asp Ser Ser Val Leu
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339 145
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347 Val Cys Gln Asp His Leu Glu Phe Trp Glu Gly Val Phe Thr Gly Leu
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348
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VERIFICATION SUMMARY

DATE: 12/22/2005

PATENT APPLICATION: US/09/825,423D

TIME: 16:27:14

Input Set : A:\PTO.AMC.txt

Raw Sequence Listing before editing, for reference only



IFW16

RAW SEQUENCE LISTING DATE: 12/20/2005
PATENT APPLICATION: US/09/825,423D TIME: 13:39:34

Input Set : A:\ID01152 Sequence Listing 121405.txt
Output Set: N:\CRF4\12202005\I825423D.raw

3 <110> APPLICANT: Weber, Patricia C. Reichert, Paul 4 Madison, Vincent S. 5 Wyss, Daniel 7 Yao, Nanhua Liu, Dingjiang 8 Gesell, Jennifer 9 11 <120> TITLE OF INVENTION: Hepatitis C Virus NS3 Helicase Subdomain I 13 <130> FILE REFERENCE: ID01152 US 15 <140> CURRENT APPLICATION NUMBER: US 09/825,423D 16 <141> CURRENT FILING DATE: 2001-04-03 18 <150> PRIOR APPLICATION NUMBER: US 60/194,419 19 <151> PRIOR FILING DATE: 2000-04-04 21 <160> NUMBER OF SEQ ID NOS: 17

ERRORED SEQUENCES

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Does Not Comply Corrected Diskette Needed 497 <210> SEQ ID NO: 17 498 <211> LENGTH: 144 499 <212> TYPE: PRT 500 <213> ORGANISM: Hepatitis C virus E--> 502 <400> SEQUENCE: (3) 503 Ser Pro Val Phe Thr Asp Asn Ser Ser Pro Pro Ala Val Pro Gln Ser 504 1 506 Phe Gln Val Ala His Leu His Ala Pro Thr Gly Ser Gly Lys Ser Thr 507 25 20 509 Lys Val Pro Ala Ala Tyr Ala Ala Gln Gly Tyr Lys Val Leu Val Leu 512 Asn Pro Ser Val Ala Ala Thr Leu Gly Phe Gly Ala Tyr Met Ser Lys 50 513 55 515 Ala His Gly Val Asp Pro Asn Ile Arg Thr Gly Val Arg Thr Ile Thr 516 65 70 80 518 Thr Gly Ser Pro Ile Thr Tyr Ser Thr Tyr Gly Lys Phe Leu Ala Asp 519 95 85 90 521 Gly Gly Cys Ser Gly Gly Ala Tyr Asp Ile Ile Cys Asp Glu Cys 105 522 100 524 His Ser Thr Asp Ala Thr Ser Ile Leu Gly Ile Gly Thr Val Leu Asp 525 115 120 125 Gln Ala Glu Thr Ala Gly Ala Arg Leu Val Val Leu Ala Thr Ala Thr 528 130 135 140

VERIFICATION SUMMARYDATE: 12/20/2005PATENT APPLICATION: US/09/825,423DTIME: 13:39:35

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